The Korean Intellectual Property Office (KR)
Publication of Application (A)

(51) Int.Cl.
H04B 1/38

(11) Publication No	10-2002-0084905		
(43) Publication Date	2002-11-16		
(21) Application No	10-2000-0044433		
(22) Application Date	2000-07-31		
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◘ Examination Requested : Requested

(54) HANGUL INPUT METHOD IN A MOBILE STATION

☺ Abstract

Machine Translation | Human Translation

1   The input method of the Korean alphabet of the mobile communications terminal inputs Hangul by using the keypad of the mobile communications terminal. One is corresponded to the direction key of a keypad among the vowel of Hangeul or the consonant and one is set up. The other one is corresponded to the numeric key a keypad among the vowel of Hangeul or the consonant and one is set up. Here, one vowel one vowel is selected between vowel allocated to the pertinent arrow key with the times in which the vowel of Hangeul of 'ㅜ, ㅠ' and with 'ㅡ, ㅗ, ㅛ', with 'ㅓ, ㅕ', with 'ㅣ', 'ㅏ, ㅑ' is corresponded to the direction key of a keypad and it is set up, and it inputs the vowel of Hangeul by using the direction key of a keypad, and the direction key pushes Moreover, the diphthong which is not allocated in the direction key of a keypad is inputted. Each direction key of a keypad is successively selected as a plurality and a diphthong is inputted. Moreover, in the numeric key of a keypad, the consonant of Hangeul of 'ㅈ, ㅊ' and with 'ㄱ, ㅋ', with 'ㄴ', with 'ㄷ, ㅌ', with 'ㄹ' with 'ㅁ, ㅍ', with 'ㅂ', with 'ㅅ', 'ㅇ, ㅎ' is corresponded and it is set up. And in case using the numeric key in which two consonants are allocated, a consonant is inputted, one consonant is selected by using the target number key and selection key. The Hangul letter is inputted according to the present invention, by using the mobile communications terminal like this. It has the advantage of easily inputting the consonant of Hangeul and vowel.

▶ Representative Drawing(s)

Fig. 2

☺ Descritption

› **Brief explanation of the drawing**

2   Fig. 1 is a drawing showing the arrangement of a vowel and consonant of Hangeul allocated to the mobile communications terminal keypad in which the input method of the Korean alphabet of the conventional mobile communications terminal is employed.

3   Fig. 2 is a drawing showing the consonant of Hangeul allocated to the mobile communications terminal keype which the input method of the Korean alphabet is employed of the mobile communications terminal and arran of a vowel.

4   <The description of reference numerals of the main elements in drawings>

5   100, 200. mobile communications terminal keypad.

6   210. . direction key.

7   220. . numeric key.

▸ Details of the Invention

▸ Purpose of the Invention

The Technical Field to which the Invention Belongs and the Prior Art in that Filed

8   The present invention relates to the mobile communications terminal, particularly, to the input method of the Falphabet of the mobile communications terminal which a user uses the mobile communications terminal and ₹ inputs the Hangul letter, and a user easily can select the consonant of Hangeul and vowel, and a user quickly input.

9   A today, and the mobile communications terminal are accepted as the commodity of the life due to the simplic convenience of a carrying. And many people uses. This mobile communications terminal has the phone book registration, the schedule management function etc. It exceeds the means for the telephone call and it is char the means for the personal information management function.

10 In the meantime, hangul is comprised of the initial sound ㄱ 'hangeul orthography unified draft' is to a foundat ㄷ, ㄹ, ㅁ, ㅂ, ㅅ, ㅇ, ㅈ, ㅊ, ㅋ, ㅌ, ㅍ, ㅎ, and ㄲ, ㄸ, ㅃ, ㅆ; ㅉ, neutral ㅏ, ㅑ, ㅓ, ㅕ, ㅗ, ㅛ, ㅜ, ㅠ, ㅡ, ㅣ, ㅐ ㅔ, ㅚ, ㅟ, ㅢ, ㅘ, ㅝ, ㅒ, ㅖ, the final consonant ㄱ, and ㄴ, ㄷ, ㄹ, ㅁ, ㅂ, ㅅ, ㅇ, ㅈ, ㅊ, ㅋ, ㅌ, ㅍ, ㅎ, and ㄲ, ㄳ, ㄵ, ㄺ, ㄻ, ㄼ, ㄽ, ㄾ, ㄿ, ㅀ, ㅄ, ㅆ.

11 And as to the number of letter can prepare for the theoretical of assembling the initial sound, a neutral, and th consonant and makings, 11,172 (19 ×21 ×28) person is. But the number of letter actually used commonlies is 2,500. And it can express about 1900 Hangul in case of the complete-type code or the combination type code generally is very much used from 1800. In this existing code system, ㄲ, ㄸ, ㅃ, ㅆ, ㅉ ***, ㅕ, ㅛ, ㅠ, ㅒ, ㅖ, ㅓ assigned when inputting with a keyboard.

12 In order that Hangul is indicated by the complete Hangeul by using the keypad of the mobile communications it has the input corresponding to each vowel and consonant as numeric keies (1, 2, 3, 4, 5, 6, 7, 8, 9, 0, *, #) ι dozen extent prepared in the terminal.

13 In the meantime, recently, the liquid crystal display (LCD) of the mobile communications terminal is installed ₹ main body in the wide display. As data service including an internet, the short message service or the mail etι possible, not only the Korean display but also the hangul input more and more has the significance.

14 Fig. 1 is a drawing showing the arrangement of a vowel and consonant of Hangeul allocated to the mobile

communications terminal keypad in which the input method of the Korean alphabet of the conventional mobile communications terminal is employed.

15   Referring to Fig. 1, in '1 No. key', the character element allocated to the mobile communications terminal key in which the input method of the Korean alphabet of the conventional mobile communications terminal is emp the structure in which '] , ᅦ ' etc. are arranged in 'ㄱ, ㄴ', and '2 No. key' in 'ㄷ, ㄹ, ㅋ', and '3 No. key' in 'ㅁ, and '4 No. key' in 'ㅅ, ㅇ, ㅍ', and '5 No. key' in 'ㅈ, ㅊ, ㅎ', and '6 No. key' 'ㅏ, ㅒ, ㅑ' in '7 No. key' in 'ㅓ, ㅖ, : No. key' in 'ㅡ, ㅗ, ㅛ', and '9 No. key' in 'ㅜ, ㅠ, ㅐ', and '0 No. key'. It supports capital and small letter of the alphabetic letter and Korean to English conversion to '* key'. '# key' is inputted to the between letter row.

16   And in keies (1, 2, 3, 4, 5, 6, 7, 8, 9, 0), since a consonant, and a vowel are assigned to 3 amendment plan si key and the corresponding to character element is changed according to the times pressed of the special key corresponding to character element is inputted the character element is found and it is necessary to have a u: inputs.

17   In case of completing to hit Hangul called this at a stretch by making use of this key "for example" it is necess have the key input as follows.

18   "Example" It is completed to the consecutive input which it gets wider with the numeric key '4' increased COM earns with '4' COMMA it earns with '0' earned with '0' of '#' key. And '"***"' is completed to the consecutive inpu gets wider with the numeric key '2' COMMA it earns with '2' COMMA it earns with '8' COMMA it earns with '2' with '2' of '#' key. And '"***"' is completed to the consecutive input which it gets wider with the numeric key '2' C earns with '8' COMMA it earns with '2' earned with '2' of '#' key. And the letter heat called this which "side" is completed to the consecutive input which gets wider with the numeric key '3' COMMA earns with '7' COMMA with '7' COMMA earns with '7' COMMA earns with '1' and earns with '1' of '#' key, in this way, is completed "fc example" the key input of the total 23 burn is needed.

22   In the meantime, as shown in Fig. 1, it is difficult that a user memorizes a keyboard because the character ele 3 amendment plan is nearly allocated in all keies. The times which has to press the key when inputting and, tl character element is naturally increased. Therefore, there is a problem that it is not facilitated to input Hangul the arrangement of the character element. And due to this, the input time is lengthened.

Technical challenges of the Invention

23   An object of the present invention is to provide the input method of the Korean alphabet of the mobile commu terminal which it is created in consideration of the given condition as described above, and a user uses the m communications terminal and a user inputs the Hangul letter, and a user easily can select the consonant of H and vowel, and a user quickly can input.

▸ Structure & Operation of the Invention

24   As to above statement, to accomplish the above objects, the input method of the Korean alphabet of the mob communications terminal, a user uses the keypad of the mobile communications terminal and a user inputs H One is corresponded to the direction key of a keypad among the vowel of Hangeul or the consonant and one A user has the feature in the point in which the other one is corresponded to the numeric key of a keypad am vowel of Hangeul or the consonant and which is set up.

25   Here, the feature is in the point in which for example, the vowel of Hangeul of 'ㅜ, ㅠ' in which a vowel is alloc the direction key of a keypad and with 'ㅡ, ㅗ, ㅛ', with 'ㅓ, ㅕ', with '] ', 'ㅏ, ㅑ' is corresponded and which is :

26
Moreover, one vowel one vowel is selected between vowel allocated to the pertinent arrow key with the times

it inputs the vowel of Hangeul by using the direction key of a keypad, and the direction key pushes

27   Moreover, the diphthong which is not allocated in the direction key of a keypad is inputted. Each direction key keypad is selected as a plurality and a diphthong is inputted.
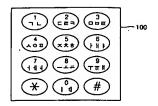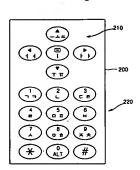
DRAWINGS

Fig. 1

Fig. 2